

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/12143

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ C11D3/386, 3/395, C12N9/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ C11D1/00-19/00, C12N9/08

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CAPIUS (STN), REGISTRY (STN)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	JP 7-91169 B2 (ASAHI CHEMICAL INDUSTRY CO., LTD.), 04 October, 1995 (04.10.95), Claim 1; page 2, right column, line 49 to page 3, left column, line 10; examples 1 to 8 (a reference cited in the specification of the present application) (Family: none)	10 1-9, 11-14

☒ Further documents are listed in the continuation of Box C.
 ☐ See patent family annex.

* Special categories of cited documents:	"T" Later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier document but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
26 December, 2003 (26.12.03)Date of mailing of the international search report
27 January, 2004 (27.01.04)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2801398 B2 (NOVO-NORDISK A/S), 10 July, 1998 (10.07.98), Claim 1; page 4, left column, lines 13 to 34; examples 1, 3, 9, 11 to 12 (a reference cited in the specification of the present application) & EP 495836 A1 & US 5273896 A1 & US 5605832 A1 & US 5648262 A1 & US 5700770 A1 & US 5712153 A1 & US 5855621 A1 & CN 1051600 A1 & BR 9007739 A1 & FI 9201315 A	1-14
Y	JP 10-500728 A (NOVO-NORDISK A/S), 20 January, 1998 (20.01.98), Abstract; Claims 1, 6, 9; page 7, lines 1 to 9 & WO 95/33039 A1 & EP 763094 A1 & CN 1149314 A1 & BR 9507773 A & FI 9604763 A	1-14
Y	JP 10-501274 A (PROCTER AND GAMBLE CO.), 03 February, 1998 (03.02.98), Abstract; Claim 1; page 5, 16th line from the bottom to 14th line from the bottom & WO 95/33040 A1 & US 5451337 A1 & EP 763093 A1 & CN 1154139 A1 & BR 9507808 A	1-14

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Box I Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

The matter common to claims 1 to 14 resides exclusively in "rice-origin peroxidase".

However, rice-origin peroxidase is disclosed in a document "JP 7-91169 B" and a composition (plant growth promoter) containing rice-origin peroxidase is also described therein.

Namely, the rice origin peroxidase which is the common matter as described above falls within the category of prior art and, therefore, cannot be considered as "a special technical feature" in the meaning within the second sentence of PCT Rule 13.2. It is therefore obvious that claims 1 to 14 do not comply with the requirement of unity of invention. (Continued to extra sheet.)

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

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Continuation of Box No. II of continuation of first sheet(1)

The inventions according to claim 1 and parts of claims 3 to 9 relate to the prevention of fiber dye migration with the use of the rice-origin peroxidase. The inventions according to claim 2 and parts of claims 3 to 9 relate to the bleaching of a fiber dye with the use of the rice-origin peroxidase. The inventions according to claims 10 to 14 relate to compositions containing the rice-origin peroxidase which are not restricted in use to the prevention of fiber dye migration or bleaching thereof.